

From qrp-1@lehigh.edu Wed May 24 06:36:24 1995
Message-Id: <Pine.SUN.3.91.950524022346.24046A-100000@server0>
From: Stephen Modena <ab4el@cybernetics.net>
Subject: (Belated) Final Results: SSB QRP Fox Hunts
Date: Wed, 24 May 1995 02:36:24 EDT

(Belated) Final Results of the SSB QRP Fox Hunts 1994-95

category: FOXES

	FOX		Hounds worked
	-----		-----
1st:	Ron N8VAR	17 -->	Prize (donated by Steve AB4EL)
2nd:	Jim KC1FB	14 -->	Congratulations
3rd:	Warren AD4ZE	12 -->	Honorable Mention

category: HOUNDS

	HOUND		Foxes worked
	-----		-----
1st:	Jim KC1FB	11 -->	Prize (donated by Warren AD4ZE)
2nd:	Bob W03B	7 -->	Congratulations
3rd:	Bill N1QPR	6 -->	Honorable Mention

The prizes in both categories are the winners' selection of book(s) and/or software from the ARRL offerings for the amount of \$35.

All of the Foxes were excellent operators! I enjoyed monitoring and marveled at their performances: some of them under really trying conditions. Several ops clearly surprised themselves. :^) The details for all foxes are posted separately as "Fox Details."

Even I was surprised by the long roll call of Hounds. Thank you all! QRP SSB is not at all like QRP CW, is it? The details on all of the hounds are posted separately as "Hound Details."

The top people in the results were heavy hitters. Both runs by Ron N8VAR were high scoring...consistency. Jim KC1FB would have scored higher as a hound, except he consented to my request to make a run as fox and racked them up. Bob W03B was a late-comer with a power 160 M loop. To my mind, the sleeper was N1QPR, who always was weak down here...but keep trying and trying until the QSO was completed. It was interesting to see Warren AD4ZE, my neighbor of a few miles, do so well in light of his

insistance that his antennas was poorly of late. :^)

Consistency and persistance were the makings for success among all of our high scoring participants. I didn't track anyone's progress during the contest period: the final standings were a pleasant surprise all around.

We all learned how truly different 40 M sounds up band...in comparison to the CW segment, the "traditional" arena for QRP. In our contest, there were 23 QSO's on 40 M; 86 QSO's on 75 M; and 10 QSO's on 160 M! And 160 M was a late elective! Sorry I caught some of you flat-footed. :^) Be ready to use that Low(est) Band next Winter...'cuz 40 SSB ain't going to improve!

Thank you for your participation. And thank you for your patience (I just gave up my 2nd job to return to "normal" life.)

72 & 73, Steve AB4EL

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From qrp-1@lehigh.edu Thu May 25 02:16:29 1995
Message-Id: <Pine.SUN.3.91.950524200723.3556A-100000@ume>
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: 5 transistor transiever mystery solved
Date: Wed, 24 May 1995 22:16:29 EDT

Last month I posted a request for information on a 5 transistor qrp transiever kit that I had inherited: parts, board, variable cap, xtal etc but no instructions, name or schematic.

I guessed it was about 10 years old.....I was right.

I have recieved a photocopy from a 1985 article in the Canadian Amateur.

I exactly matches up as a "Foxx minitransciever" by Gm3oxx. Is he the same fellow of "Oner" fame?

Anyway, will try putting it together for the 30 meter propagation test this summer and as a basic comparison rig for future projects.

Comments from you old timers who may have built this one appreciated!

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Wed May 24 14:44:01 1995
Message-Id: <199505241442.JAA09461@chuck.dallas.sgi.com>
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: Administrative Stuff
Date: Wed, 24 May 1995 10:44:01 EDT

OK Gang,

Send to me, do not post to this group, those of you who have the following and I will put them in the ftp site.

1. Kit list (Brian C.)
2. Club list
3. How about a www list of home pages, etc.? and other ftp sites with related ham stuff.
Prefer QRP related stuff, but anything else will help too.

How about those FAQs in progress?

I am finding that the turnaround on QRP-L@LEHIGH.EDU is now less than five minutes and I'm way down on the list!!!

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 15:28:26 1995
Message-Id: <abe8ff58080210030871@[129.74.35.16]>
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: Re: Administrative Stuff
Date: Wed, 24 May 1995 11:28:26 EDT

>2. Club list

This is already on the qrp-1 Resource Page.

>3. How about a www list of home pages, etc.? and
> other ftp sites with related ham stuff.
> Prefer QRP related stuff, but anything else will
> help too.

Perhaps the qrp-1 Resource Page would be the best place for this. It can serve as a "jumping-off point" to members' pages.

>How about those FAQs in progress?

There is one on the qrp-1 Resource Page.

--Steve

Steve Hideg Macintosh Consultant/Analyst

Office of University Computing	Telephone: (219) 631-EXAM
G034 Computing Center/Math Building	E-mail: Steve.Hideg.1@nd.edu
University of Notre Dame	URL: http://www.nd.edu/~shideg/
Notre Dame, IN 46556	Ham Radio: N8HSC/9

"Leopold!"

From qrp-1@lehigh.edu Thu May 25 00:23:48 1995
Message-Id: <95052420005725@sescva.esc.edu>
From: pcalcand@sescva.esc.edu (PETER CALCANDY)
Subject: AUSTRALIAN ADVENTURE
Date: Wed, 24 May 1995 20:23:48 EDT

NORM K2YEW (founder and president-for-life of the QRP HEAVY HITTERS will be operating as VK2IDU from June 11 thru July 1, 1995. Anyone wishing to work 2-way QRP from Australia will have a golden opportunity in the coming weeks. Norm tells me that no one should be embarrassed on CW. He will send at one WPM if need be in order to get you through the contact. The schedule is as follows:

June 11 thru June 14	QTH Sydney, New South Wales
-----	-----

1200 UTC 14.065 CW

1300 UTC 14.265 SSB
2000 UTC 21.165 CW (novice/tech + band)
2100 UTC 21.065 CW

June 16 thru June 19 QTH Melbourne, Victoria

Same times and frequencies as above.

June 21 thru June 22 QTH Alice Springs, Northern Territory

0800 UTC 7.040 CW
0830 UTC 10.106 CW
0900 UTC will send on 7.065 and listen on 7.265 (split) SSB
2000 UTC 21.165 CW (novice/tech + band)
2100 UTC 21.055 CW

June 25 thru June 27 QTH Darwin, Northern Territory

Same times and frequencies as above. (June 21- June 23)

June 29 thru July 1 QTH Cairns, Queensland

0800 UTC 7.040 CW
0830 UTC 10.106 CW
0900 UTC will send on 7.065 and listen on 7.265 (split) SSB
2000 UTC 21.165 CW (novice/tech + band)
2100 UTC 21.065 CW

Please remember Norm's call for this poor man's DXpedition will be
VK2IDU (VK2 I'm Down Under).
QSL Manager is George N2LSK, PO Box 296, Bellport, NY 11713. (SASE pls).
Any questions, please contact me, Peter here at pcalcand@sescva.esc.edu

Good luck
Peter N2KPY
pcalcand@sescva.esc.edu

From qrp-1@lehigh.edu Thu May 25 02:41:59 1995
Message-Id: <9505250236.AA03788@sun>
From: jokortge@sun.lisp.com (Jim Kortge, NU8N)
Subject: Re: BMHA
Date: Wed, 24 May 1995 22:41:59 EDT

Dave Johnson asked....

>
>>
>>Hi! I am a ham who needs more exercise (physical, that is),
>>and am interested in getting set up for bicycle mobile.
>>Can you tell me more about the Bicycle Mobile Hams of
>>America?
>>
>>Thanks!
>>
>>73,
>>
>>Dave

Hi Dave....well I'll give you the short version of BMHA, and if you think it is the outfit you are looking for, I can send you all sorts of 'gory' details. BMHA is a group of bikie hams, who have formed sort of a loose organization to share ideas and technical info useful for setting up and operating both hf and vhf/uhf radio equipment from a bicycle. The diehards, (I'm one of them) like to operate while riding, as opposed to carrying the gear on the bike, and setting it up at the end of a days ride. I operate mostly hf ssb on 40 and 17 meters using a pair of 2 watt Mizuho rigs which are about the size of a HT and weigh maybe a pound apiece. I also now run a linear amplifier that I designed and built, which lets me run up to 15 watts when conditions get poor. (Like all of last summer)

BMHA puts out a newsletter quarterly, has a regular net on 20 meters (14.253) at 2100Z and 0000Z on the first and third Sundays of the month. Of late, there have been few checkins. I am an alternate net control for the eastern part of the US. I hear mostly the gang from the west to mid-west, K7RO is Portland, OR is the west coast net control, and he listens for the eastern gang, and NF0N in Sioux City, IA is the official net control, who listens for anyone he can hear. Of late, I have only been on in the afternoon for the early session 'cause by 0000Z, the band has folded in MI and I don't hear anyone.

Hartley Alley, NA0A is the founder of the group, and editor of the newsletter. He also rides quite a bit. The group has grown in size to about 400 members over the past 5 years. We had a forum in Dayton again this year, which was attended by about 150 people. Dues are 10 bucks/year.

To join up, send money to: BMHA, PO Box 4009, Boulder, CO 80306-4009.

That's the short version. Hope it is helpful. Happy biking and please, wear a helmet!!

72/73....Jim

Jim Kortge, NU8N		Bicycle Mobile Hams
jokortge@lisp.com	_o	of America
Fenton, MI	_\'<	Mizuho 17m/40m QRP SSB
... ..	(*)/(*)

From qrp-1@lehigh.edu Thu May 25 01:31:33 1995
Message-Id: <24MAY95.23186042.0016.MUSIC@MARISTB.MARIST.EDU>
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: Building SWL-40 Advice ??
Date: Wed, 24 May 1995 21:31:33 EDT

I am about to start a SWL 40 (my first real kit) any advice would be greatly appreciated.

With an iron in one hand and a rosary in the other ..

Fr Bowes

KB2TRF

From qrp-1@lehigh.edu Thu May 25 02:29:02 1995
Message-Id: <199505250226.UAA12518@zia.aoc.nrao.edu>
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: Re: Building SWL-40 Advice ??
Date: Wed, 24 May 1995 22:29:02 EDT

Fr Bowes,

Not sure what kind of help you mean ... but for general construction practices, here's a few things that comes to mind:

1. Keep the soldering tip clean and tinned so it melts the solder almost immediately on contact. This will reduce the amount of heat exposed to the component (and hence less chance of thermal damage).
2. Review the parts before you start building, ensuring you understand exactly what every part is (this 10K resistor is R12, etc.). This way you're sure to spot any shortages, know where everything goes, and allows you to clear up confusion BEFORE you solder the wrong part to the board.
3. Ensure you understand the polarity and orientation of those few parts whose exact placement in the circuit is crucial. For example, on the

diodes, know which end is the cathode; on transistors, make sure you know which lead is the base, emitter and collector; on IC's, make sure you know which pin is pin 1; on polarized capacitors, identify the (-) and (+) leads, etc. Unsoldering these items to turn-them-around can often be destructive in itself.

4. Check off each step in the instructions, mark off the part list when you install a component or similar to ensure you got EVERYTHING soldered in (i.e., no left over parts).
5. I prefer to solder in the smaller parts first (resistors, diodes, capacitors) as the weight of the board will press the components against the board for soldering (no excess leads on component side); then solder on the larger items (I.C.'s and sockets, big capacitors, etc.).
6. It takes a knack to solder with the right temperature and timing to not overheat the component or on the other extreme, a cold solder joint. I little practice soldering wires together will give you the right touch before starting on the board.
7. IF YOU HAVE TOROIDS to wind ... now you can use your rosary!

If you have any questions on identifying the components or how to mount them or bringing up your new kit, feel free to ask me or on the group. That's what we're here for.

GL, Paul NA5N

From qrp-1@lehigh.edu Wed May 24 21:21:43 1995
Message-Id: <Pine.3.89.9505241443.A6407-01000000@netcom22>
From: Alan Kaul <kaul@netcom.com>
Subject: cockpit problems with GS386
Date: Wed, 24 May 1995 17:21:43 EDT

Hi all ... am having a technobabble lingo problem getting the ghostscript GS386 program running in order to look at the Pixie2.PS from the archives. Yes, I downloaded and unzipped the 386 file AND the ini file. And after trying to make some sense of the readme, use.doc, and other assorted files, and having tried various combinations of switches, etc., I'm asking if anyone can point me in the right direction? 73/72 de Alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From qrp-1@lehigh.edu Wed May 24 06:38:31 1995
Message-Id: <9505240636.AA24765@cybernetics.net>
From: ab4el@cybernetics.net (Stephen Modena)
Subject: Fox Details
Date: Wed, 24 May 1995 02:38:31 EDT

SSB QRP Fox Hunts 1994-95

FOXES ...and the hounds they worked

N8VAR-1	17	worked	
KC1FB	14	worked	
AB4EL-1	14	worked	(disqualified)
AD4ZE	12	worked	
W03B	11	worked	
AB4EL-2	11	worked	(disqualified)
N8VAR-2	10	worked	
N2PKY	9	worked	
WB8ZJL	7	worked	
WA3JPG	6	worked	
KF8EE-2	6	worked	
VE6GK	1	worked	
KF8EE-1	1	worked	

* * * * *

KC1FB	14	worked		
w1ifl(75)	nm1j(75)	w2dyy(75)	w2dyy(160)	n2joc(75)
aa2pf(75)	kf2ph(75)	wj2v(75)	wo3b(75)	wo3b(160)
ab4el(75)	ab4el(160)	nu8n(75)	nu8n(160)	

N2PKY	9	worked		
kc1fb(40)	ab4el(40)	ab4el(75)	wa4nid(40)	aa4yz(40)
ad4ze(40)	kc5jrr(40)	nu8n(40)	n8var(40)	

W03B	11	worked		
kc1fb(75)	kc1fb(160)	nm1j(75)	n1qpr(75)	aa2pf(75)
wj2v(75)	aa2wj(75)	ab4el(75)	ab4el(160)	aa4jz(75)
wd8aau(75)				

WA3JPG	6	worked		
kc1fb(40)	ab4el(40)	kj5hv(40)	na5k(40)	ka5t(40)
ab5wb(40)				

AB4EL-1	14	worked		
kc1fb(75)	nm1j(75)	n1qpr(75)	n2kpy(75)	w3pm(75)
n4elm(40)	n4elm(75)	k4jpn(75)	n4o1n(75)	ad4ze(40)

ad4ze(75) kb5hvn(75) ab5wb(40) wb8zjl(40)

AB4EL-2 11 worked

wb1bpv(160) kc1fb(160) w1ifl(75) wo3b(75) wo3b(160)
wa3nvs(160) n4elm(75) wd8aau(75) n8btu(75) kb8jec(75)
n8var(75)

AD4ZE 12 worked

kc1fb(75) w1ifl(75) n1qpr(75) aa2pf(75) wj2v(75)
wo3b(75) w3pm(75) ab4el(75) k4jpn(75) kc5jrr(75)
wd8aau(75) kf8ee(75)

VE6GK 1 worked

wa3jpg(40)

KF8EE-1 1 worked

nm1j(75)

KF8EE-2 6 worked

kc1fb(75) n1qpr(75) aa2pf(75) wo3b(75) ab4el(75)
n9dd(75)

N8VAR-1 17 worked

wv1c(75) kc1fb(75) w1ifl(75) n2kpy(75) w3pm(75)
ve3vaw(75) ab4el(75) n4ida(40) wa4nid(75) aa4xx(40)
ad4ze(75) kc5eqc(40) wd8aau(75) wd8aau(40) kf8ee(75)
wa8fan(75) nu8n(75)

N8VAR-2 10 worked

kc1fb(75) n1qpr(75) n2lvc(75) aa2pf(75) wb2tjo(75)
wo3b(75) wa3qkb(75) ab4el(75) ad4ze(75) n9dd(75)

WB8ZJL 7 worked

kc1fb(75) n1qrp(75) w3pm(75) ab4el(75) ke4pc(75)
ad4ze(75) kg8kz(75)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From qrp-1@lehigh.edu Thu May 25 03:21:38 1995

Message-Id: <199505250320.WAA11442@chuck.dallas.sgi.com>

From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: Frequency Marker

Date: Wed, 24 May 1995 23:21:38 EDT

Well, gang, it took about 30mins of my time to get it going and I tell you I don't really know why I didn't do it much earlier. Well I do know. :-)

We all have probably used the freq markers in TenTec and other rigs.

I built the one that is in the 1992 to 1995 ARRL Handbook. You'll want to look it up in 1994 or earlier. In the 1995 Handbook, in order to save space, the circuit board and parts layout is not shown.

You use a 74LS00 as an oscillator at 1,2, or 4MHz then divide this down to get 100KHz, 50KHz, or 25KHz intervals across the entire electromagnetic spectrum to over 50 MHz. I consider anything over 30MHz in the IR region nearing visible light. :-) :-) ;-)

I got it down to within 75 Hz, all that the little tuning trimmer cap would allow. I might just short it out and see what that does.

OK, I might just put this little critter at #3 of my most important things around the shack for testing. #1 is the OHR WM-1 Wattmeter, #2 is the Heathkit IM-2410 freq counter, and if you find one of these puppies at a fleamarket, get it. Hopefully it hasn't been mistreated and was put together well. It is like a rock when it comes to measuring frequencies to one cycle (excuse me, one Hertz).

The freq marker will go around the shack being used for setting dials and checking band edges and stuff like that. My main objective in getting it going is to use it with an attenuator and check out receiver sensitivity. I'll have to hit Mike C. up for one of his specials that I passed by at Dayton. Hind site is 20/20. :-)

I have to sit down and do the Fourier Analysis, but for the first test I fired up the OHR Explorer on 20M. At 14.000, 14.050, and 14.100 MHz the signal is say a +4 on a scale of one to ten with light coupling. At 14.025 and 14.075 MHz, all other parameters the same the signal goes to a 7 or 8. Significantly stronger. Neat though. I'm excited by it all.

I'd guess my cost at around \$10 for board, four LS chips, tant. caps, 4 resistors, etc. I'm using 9V Alkaline Battery.

I searched high and low and can't find the Panasonic NiCads.
Must be in a keyer somewhere. :-)

A great project for a beginner and you'll keep this puppie
forever. It'll be in your estate sale.....

Chuck says check it out.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 21:04:02 1995
Message-Id: <9505242102.AA15884@philadelphia.libertynet.org>
From: adam@philadelphia.libertynet.org (Adam O'Donnell)
Subject: Frequency variable filters???
Date: Wed, 24 May 1995 17:04:02 EDT

Yo! Whatssup?

Is there a way to construct a frequency variable low or high pass filter?
Just curious.
Thanks and 73

--

Adam O'Donnell, N3RCS
Internet: adam@libertynet.org

My parents tell me that I just take up time and space. It's true -
I'm into relativity theory.

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.6.2

mQCNAY9yMS8AAAEAL6X3T00KvDKreSRKPcrBC2gV0R0u8BKtzPpgkNuXxPXUxAU
myIJEAEsBE0Gd4nKRF/bEr5Jw9wkYsVy02X1sdSKpX1pzMb9hmpmzm0QL4qrs4Z/
ufri+jd1MisF2FM+lz7UC/mwtuM9RFV/7qEfAIWFSwXhxH4LZdBHL5v9R1fpAAUR
tCRBZGFtIE8nRG9ubmVsbCA8YWRhbUBsaWJlcnR5bmV0Lm9yZz4=
=J0fv

-----END PGP PUBLIC KEY BLOCK-----

From qrp-1@lehigh.edu Wed May 24 16:59:22 1995
Message-Id: <199505241658.LAA09924@chuck.dallas.sgi.com>
From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: Ghostscript for PCs
Date: Wed, 24 May 1995 12:59:22 EDT

Gang,

Some of you are looking for tools to use on a 286 or 386 based machine to look at PostScript files, well Jim E. has put them out there and here is where they are on ftp.LeHigh.EDU:

Archive: tools (path: qrp-1/tools) -- Files:
gs261286.zip (1 part, 212181 bytes) -- gs v2.6.1 exe for 286 machines
gs261386.zip (1 part, 404280 bytes) -- gs v2.6.1 exe with extend. mem for 386/486s
gs261ini.zip (1 part, 335951 bytes) -- required files plus examples for gs ver 2.6.1
gs261win.zip (1 part, 294460 bytes) -- gs v2.6.1 exe for windows

Enjoy. I also added in qrp-1/rigs nn1g20.lst for the list of parts needed.

I promise to slow down and quit posting for a while. I've done a memory dump.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 14:11:13 1995
Message-Id: <MAILQUEUE-101.950524100850.480@rcadmin.nov.add.bnl.gov>
From: "Nick Franco - KF2PH" <NICKF@rcadmin.nov.add.bnl.gov>
Subject: Re: Hamsticks
Date: Wed, 24 May 1995 10:11:13 EDT

> Has anyone had experience using Hamsticks? I'm thinking of getting 30M
> and 40M sticks as I wait for my QRP+ to arrive (hopefully by FD).
>
> What has been your experience? They seem compact, light, adjustable...but
> are they effective? Who's had some experience with them, especially with QRP?
>
> Are they easy to assemble and adjust in the field? Will they eat half my
> 5 W? Do they have S0239 connectors? Do I use 50 ohm coax? Can they be
> broken into two (fairly short) sections?
>

>

I have a 40m Hamstick which I feel works great. I use it on the back bumper of my Celebrity with a wrap around strap mount. The Hamstick itself does not have an SO-239. It comes with the 3/8" screw bottom (male end), like a truck CB antenna I think. It comes with instructions about adding a capacitor to ground for adjusting the SWR if you have any trouble. It breaks into 2 pieces, the whip and the coil wound bottom section. I would guess in 2 peices it's about 3 1/2 feet long since it's about 7' when assembled.

I run my HW-8 in the mobile with max about 2 watts out and work many stations but very little DX (Finland, Italy, etc.) One word of caution: Be careful not to let the whip piece slide too far into the bottom coil section. It can sever the coil winding wire at the top end. You still have a good adjustment amount but be careful of that one point. Other than that --- I love it and it's only \$20.00!

Best 72/73

Nick/KF2PH . .

Nick Franco - RHIC Computer/Network Support
Building 1005 2nd Floor Rm. 201
UPTON, N.Y. 11973-5000 U.S.A.
tel:(516)282-5467 fax:(516)282-3674

Ham Call: KF2PH QRP-NE # 349

From qrp-1@lehigh.edu Wed May 24 15:02:18 1995
Message-Id: <Pine.SV4.3.91.950524110052.7638E-1000000@atl1.america.net>
From: Jim Stafford-W4Q0 <w4qo@america.net>
Subject: Re: Header Info
Date: Wed, 24 May 1995 11:02:18 EDT

Looks like the change has been made to give first choice to the orginator and I like this much better than the list. I send about 10 messages to the originator for everyone I send to the list, because I try to answer a person's specific question. I have Pine, but the way this service started at Lehigh, it still required 3 or 4 more keystrokes. More than that was that I had to pay close attention to be sure I got it to how I wanted. Then in cases where I messed up I had to cancel the message and start over. Looks now like -first choice is to the originator - and I

vote to have it that way.

Editorial-----

I must also add that I think about half the stuff on here should go to (and only to) the originator anyway. I missed checking mail for about 36 hours and I come on this morning and hve 186 messages. I did get about 40 from the Tesla list, but most are from qrp-l. I enjoy the heck out of the list but this is too much. I have a life elsewhere and I also enjoy working and building qrp, rather than keyboarding.

Trying to limit my qrp-l entries to about one every week or two, de
jim/w4qo

From qrp-l@lehigh.edu Wed May 24 06:06:05 1995
Message-Id: <950524020427_10291981@aol.com>
From: BuckN8CQA@aol.com
Subject: Re: Hoot Owl Sprint...
Date: Wed, 24 May 1995 02:06:05 EDT

Jim, etal, you need to look at pages 28, 29 and 30 of the April QQ. Cam has changed the classes and mults. However, "if you built it it's homebrew" should give you the flavor.
72/73 Buck

From qrp-l@lehigh.edu Wed May 24 22:51:25 1995
Message-Id: <199505242250.QAA22216@teal.csn.net>
From: bcutter@csn.net (Bob Cutter)
Subject: Hootowl Sprint
Date: Wed, 24 May 1995 18:51:25 EDT

Don't forget the Hootowl Sprint, Sunday night, May 28, 2000-2400 hrs., local time.

I plan to operate from Chaco Canyon, NM.

72, Bob KI0G
Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From qrp-1@lehigh.edu Wed May 24 06:39:38 1995
Message-Id: <9505240638.AA24831@cybernetics.net>
From: ab4el@cybernetics.net (Stephen Modena)
Subject: Hound Details
Date: Wed, 24 May 1995 02:39:38 EDT

SSB QRP Fox Hunts 1994-95

HOUNDS ...and the foxes they worked

AB4EL	12 worked	(disqualified)
KC1FB	11 worked	
W03B	7 worked	
N1QPR	6 worked	
AD4ZE	6 worked	
AA2PF	5 worked	
WD8AAU	5 worked	
W1IFL	4 worked	
NM1J	4 worked	
W3PM	4 worked	
NU8N	4 worked	
WJ2V	3 worked	
N4ELM	3 worked	
W2DYY	2 worked	
N2KPY	2 worked	
K4JPN	2 worked	
WA4NID	2 worked	
KC5JRR	2 worked	
AB5WB	2 worked	
KF8EE	2 worked	
N8VAR	2 worked	
N9DD	2 worked	
WB1BPV	1 worked	
WV1C	1 worked	
N2JOC	1 worked	
N2LVC	1 worked	
KF2PH	1 worked	
WB2TJO	1 worked	
AA2WJ	1 worked	
WA3JPG	1 worked	
WA3NVS	1 worked	
WA3QKB	1 worked	

VE3VAW 1 worked
N4IDA 1 worked
AA4JZ 1 worked
N40LN 1 worked
KE4PC 1 worked
AA4XX 1 worked
AA4YZ 1 worked
KC5EQC 1 worked
KJ5HV 1 worked
KB5HVN 1 worked
NA5K 1 worked
KA5T 1 worked
N8BTU 1 worked
WA8FAN 1 worked
KB8JEC 1 worked
KG8KZ 1 worked
WB8ZJL 1 worked

* * * * *

WB1BPV 1 worked
ab4e1(160)

WV1C 1 worked
n8var(75)

KC1FB 11 worked
n2pky(40) wo3b(75) wo3b(160) wa3jpg(40) ab4e1(75)
ab4e1(160) ad4ze(75) kf8ee(75) n8var(75) n8var(75)
wb8zjl(75)

W1IFL 4 worked
kc1fb(75) ab4e1(75) ad4ze(75) n8var(75)

NM1J 4 worked
kc1fb(75) wo3b(75) ab4e1(75) kf8ee(75)

N1QPR 6 worked
wo3b(75) ab4e1(75) ad4ze(75) kf8ee(75) n8var(75)
wb8zjl(75)

W2DYY 2 worked
kc1fb(75) kc1fb(160)

N2JOC 1 worked
kc1fb(75)

N2KPY 2 worked

ab4e1(75) n8var(75)

N2LVC 1 worked
n8var(75)

AA2PF 5 worked
kc1fb(75) wo3b(75) ad4ze(75) kf8ee(75) n8var(75)

KF2PH 1 worked
kc1fb(75)

WB2TJO 1 worked
n8var(75)

WJ2V 3 worked
kc1fb(75) wo3b(75) ad4ze(75)

AA2WJ 1 worked
wo3b(75)

W03B 7 worked
kc1fb(75) kc1fb(160) ab4e1(75) ab4e1(160) ad4ze(75)
kf8ee(75) n8var(75)

WA3JPG 1 worked
ve6gk(40)

WA3NVS 1 worked
ab4e1(160)

WA3QKB 1 worked
n8var(75)

W3PM 4 worked
ab4e1(75) ad4ze(75) n8var(75) wb8zjl(75)

VE3VAW 1 worked
n8var(75)

AB4EL 12 worked
kc1fb(75) kc1fb(160) n2pky(40) n2pky(75) wo3b(75)
wo3b(160) wa3jpg(40) ad4ze(75) kf8ee(75) n8var(75)
n8var(75) wb8zjl(75)

N4ELM 3 worked
ab4e1(40) ab4e1(75) ab4e1(75)

N4IDA 1 worked

n8var(40)

K4JPN 2 worked
ab4e1(75) ad4ze(75)

AA4JZ 1 worked
wo3b(75)

WA4NID 2 worked
n2pky(40) n8var(75)

N40LN 1 worked
ab4e1(75)

KE4PC 1 worked
wb8zjl(75)

AA4XX 1 worked
n8var(40)

AA4YZ 1 worked
n2pky(40)

AD4ZE 6 worked
n2pky(40) ab4e1(40) ab4e1(75) n8var(75) n8var(75)
wb8zjl(75)

KC5EQC 1 worked
n8var(40)

KJ5HV 1 worked
wa3jpg(40)

KB5HVN 1 worked
ab4e1(75)

KC5JRR 2 worked
n2pky(40) ad4ze(75)

NA5K 1 worked
wa3jpg(40)

KA5T 1 worked
wa3jpg(40)

AB5WB 2 worked
wa3jpg(40) ab4e1(40)

WD8AAU 5 worked
wo3b(75) ab4el(75) ad4ze(75) n8var(40) n8var(75)

N8BTU 1 worked
ab4el(75)

WA8FAN 1 worked
n8var(75)

KF8EE 2 worked
ad4ze(75) n8var(75)

KB8JEC 1 worked
ab4el(75)

KG8KZ 1 worked
wb8zjl(75)

NU8N 4 worked
kc1fb(75) kc1fb(160) n2pky(40) n8var(75)

N8VAR 2 worked
n2pky(40) ab4el(75)

WB8ZJL 1 worked
ab4el(40)

N9DD 2 worked
kf8ee(75) n8var(75)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From qrp-1@lehigh.edu Thu May 25 02:27:53 1995
Message-Id: <Pine.3.89.9505242218.A14961-01000000@world.std.com>
From: howie cahn <wb2cpu@world.std.com>
Subject: Re: More INET radio thoughts (Who was the mystery Englishman?)
Date: Wed, 24 May 1995 22:27:53 EDT

On Mon, 22 May 1995, Dennis/Justin Ashworth wrote:

> Howie:
> Someone at Dayton (an English chap" had a demo in his hotel room of a
> digital HF tranceiver which plugged into a computer slot. I wish I knew his
> name/details, but my point is that someone has already done some work in the
> area you mentioned. I think the possibilities are absolutely endless.

Hi Dennis --

That was Brian Comer, KF6C (of Comer Communications). Not only was he showing the radio in his hotel room but he also had a booth in Hara only about 25 feet from the QRP club booths. I tried to get people to go over and look at it. Yes, his radio is along the lines that I described. I didn't steal the idea from him (or vice versa). We've both been working on the concept for several years now. Since he already had a company producing (commercial/military) radios and I just have me and a full-time+ job not making radios, he got there first. The first time I published a description of the general concept was about three years ago in an article called "Bringing Amateur Radio Into the Computer Age" in Communications Quarterly. I'll be giving a talk on this subject at the ARRL NE Division Convention in New Hampshire in July. Sharing the one hour session with me will be the legendary Rick Littlefield who'll be speaking on a different topic.

I was going to wait until I'd had an opportunity to play with the Comer radio before describing it to this group. Briefly, there's a card that goes in a PC slot that implements the front end of a sophisticated direct-conversion receiver. It's sort of a more integrated form of Rick Campbell's R2. It uses dual high-level (Plessy) mixers to form an image-reject mixer that converts directly down to audio. The local oscillator is a quadrature output DDS/PLL hybrid that give very good spurious and phase noise performance. After the mixers is a gain stage. That's basically all that's on the card. Everything else is done on a DSP/audio card that also goes in the PC. It is one of those PSA sound boards I mentioned. The RF board also has a low-level output for transmitter or signal generator use. For use outside the computer he offers a series of modules he calls 'RadComps'. There are modules for Tx amplifiers, VHF/UHF receive/transmit converters, preamps/filters, etc. The basic receiver and sound card is about \$500. For another, say, \$500 you could have a transceiver for all bands HF thru 440 (50 W out at HF).

The interesting thing is that he's only selling the hardware. He has Windows-based software to control the radio and implement the DSP functions that he's giving away (FREE). Currently the DSP software just does basic filtering but he's promising demodulators for the digital modes, SSTV, WEFax, etc. You can get a copy of the software from his BBS (it's in CA). The BBS fone # is: 619.599.0185. It takes about 15 minutes to download at 9600 baud. You can also download a copy of the manual. If you call, tell him Howie sent you. I'm not sure about this but I think that if you had one of the appropriate sound cards you could use his software with it without his radio board.

My overall impression is that, while it isn't completely there yet (particularly the software), it has the potential to be an amazing product.

72... howie
wb2cpu@world.std.com

From qrp-1@lehigh.edu Wed May 24 14:01:47 1995
Message-Id: <199505241400.JAA09300@chuck.dallas.sgi.com>
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: MPF131 Status
Date: Wed, 24 May 1995 10:01:47 EDT

Gang,

Those of you, and there are quite a few, who have put in a note for the 3 for a buck deal plus 55 cents for shipping, I am going today to pick up 300 of these puppies, so I should be able to start putting them in envelopes a week from Friday. So there are plenty and don't get in a hissy 'cuz I'm going to MD and have other demands on my time today and tomorrow. OK?
(Is hissy a good word? NO, it's not in the Webster's Ninth New Collegiate Dictionary. Hmmm. Must be a Texas term.)
OH, the guys/gals in MD, I'll bring a bunch with me personally.
Tenative dinner for Monday night in Bethesda/Silver Spring/Gaith. area?

This is the world supply of MPF131s and I have it (well most of it). Someone mentioned they called Tanner Electronics and they found out what the shipping cost would be. Believe me, they are not in the mail order business and that is what keeps their prices down for us locals.

While I'm down there I'm picking up some 74LS00, 74LS74, and 74LS90s for the marker generator in the ARRL Handbook. I picked up a board from FAR Circuits while at Dayton. There are two reasons for building such a critter. One: use it as a signal generator for receiver tuning and peaking. Two: use it to align transmitter section with the receiver.

OH, you remember before Dayton that there was a place that I was going to first when the flea market opened, and yes, FAR was the place and Doug H. can witness to the fact that that was the first place that I went and that is where I got the boards I wanted and needed. :-)

I have done a lengthy article for QRPP on the techniques for aligning transceivers and probably the \$10 for the year subscription to QRPP from NorCal will be a great deal to get this one article which will

be in two parts (maybe more). I am a member of NorCal (#40, which is pretty neat as it was the luck of the draw), but I don't get paid for writing and I don't get a kickback on memberships. :-)
\$10 US, \$15 Canada and Mexico, and \$20 for DX for one year sub.
NorCal membership is free.

Make check out to Jim Cates, WA6GER, 3241 Eastwood Rd., Sacramento, CA 95821. Do not and I repeat, DO NOT make the check out to NorCal. This is published everywhere. I see where one individual blasted NorCal on the Internet because they sent in a check and made it out to NorCal and the instructions specifically have always said not to do that. We have probably all have had to deal with bean counters and the employees of Banks and Federal Regulations and know what a pain it is to set up accounts for clubs, etc. It is not something that I'm sure Jim wants, but he and the club have to work under the guidelines of other agencies.

OK, back to your regularly scheduled programming.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 21:31:28 1995
Message-Id: <199505242125.0AA00192@interval.interval.com>
From: burdick@interval.com (Wayne Burdick)
Subject: NC40A vs. Explorer; unbiased (I hope)
Date: Wed, 24 May 1995 17:31:28 EDT

Paul_Adler, KW1L, wrote:

>My birthday is coming up and my wife wants to buy me a QRP kit. Being new to
>QRP, I need some advice. She said she would like to spend about \$100 to \$150.
>Should I tell her to buy the NorCal 40A (from Wilderness Radio) or OHR Explorer
>or something else?

Paul, I designed the NorCal 40A--so you may choose to ignore this--but I know quite a bit about both rigs, so here's my objective comparison. Note that there are pros and cons to each rig. There are other rigs with various performance trade-offs, but I have less information about them so I won't do a comparison.

There are independent reviews of both available. You can find '40A reviews in WorldRadio and QRPP. Also see Rob Capon's article, "A Solar Powered Field Day," in the May issue of QST.

Hope this helps you make up your (wife's) mind!

72,
Wayne, N6KR

P.S. Anyone who wishes to can reprint this in any context, as long as it is reprinted in its entirety.

NorCal 40A (Wilderness Radio) vs. Explorer (OHR)

----- Executive summary

Both rigs are superhet transcievers with VFO control and about 2 watts output, having similar performance, with NE602s used throughout as mixers. Both will drive a speaker, and both come with a painted and screened case and all parts. Price is about the same. The '40A is optimized for small size, weight, and current drain; the Explorer is larger, and seems to be optimized for a combination of ease of construction and ease of use. The Explorer is probably available off the shelf, whereas you'll have to wait until late July for a NorCal 40A because Wilderness Radio is just ramping up production.

Explorer, pros and cons

The Explorer has greater VFO tuning range (100KHz), and uses an 8:1 vernier air-variable capacitor. It has a bit better AGC range due to the use of an MC1350 I.F. amp. It also comes with pre-wound toroids. On the negative side, it is larger and heavier, and has much higher current drain on both transmit and receive, so a larger battery will be needed for back packing use. The Explorer also has more parts, and requires quite a bit of hand-wiring of controls and connectors.

NorCal 40A, pros and cons

The NorCal 40A is small and light and has only 15mA/200mA current drain on receive/transmit, ideal for back packing. It has a very clean layout, with all controls and connectors mounted on the PC board, no jumpers, and no chassis wiring. The case allows work on both sides of the board without any disassembly, and there's a lot of unused front and rear panel and interior space for your own additions. You will have to wind your own toroids, but there's nothing tricky about them. The VFO covers about 40KHz as shipped and uses a varactor and single-turn pot rather than an air variable, but it is extremely stable, operating at around 2MHz.

Comparison of specifications

	Explorer -----	NorCal 40A -----
Power req'd:	13.6V specified	10 to 16V
Current drain:	50mA RX, 450 TX	15mA RX, 200 TX
Power output:	2-3W	2-3W
Size:	2.5 x 6 x 6	2.25 x 4.5 x 4.5
Weight:	2 lbs	1 lb
RIT range:	+/- 1.5KHz, center detent control	+/- 2KHz, separate RIT on/off switch

Who to contact

OHR (Dick Witzky): 616-796-0920
Wilderness Radio (Bob Dyer): 415-494-3806

From qrp-1@lehigh.edu Wed May 24 22:39:03 1995
Message-Id: <950524183714_10769187@aol.com>
From: JCoote@aol.com
Subject: Need list of ALL QRP freqs
Date: Wed, 24 May 1995 18:39:03 EDT

I need a *complete* list of QRP freqs.

I don't have the 17 and 12 meter CW and SSB freqs.

I don't have the novice/tech freqs.

I don't have the SSB freqs for 160, 75, 40, 20, 15, 10.

An Idea:

If there are no CW/SSB QRP freqs for 17 and 12 meters, we should come up with some! Although these are not contest bands, calling freqs should still be established. (It ain't just 80-40-20-15-10 anymore!)

72, Jay
WB6AAM

From qrp-1@lehigh.edu Wed May 24 16:01:15 1995
Message-Id: <9505241551.AA04471@cc.com>
From: miker@cc.com (Mike Robinson)
Subject: New reflector
Date: Wed, 24 May 1995 12:01:15 EDT

Wow! This reflector is fast.

From qrp-1@lehigh.edu Wed May 24 16:28:58 1995
Message-Id: <950524122520.2028b5b7@carib.vf.mmc.com>
From: JEVERHART@cayman.vf.mmc.com
Subject: RE: New reflector
Date: Wed, 24 May 1995 12:28:58 EDT

Mike, You wrote:

> Wow! This reflector is fast.

Yeah, it's so fast, I got Chuck's reply to your Varactor query several minutes before your original message arrived! Reminds me of an old Isaac Asimov (I think) story about some stuff call "Timothioline" (sp?) that knew beforehand when it was gonna be dropped into water and dissolved milliseconds before it hit the surface!

72/73,

Joe E. N2CX

From qrp-1@lehigh.edu Wed May 24 16:47:33 1995
Message-Id: <9505241645.AA00540@radium.Eng.Sun.COM>
From: Raymond.Anderson@eng.sun.com (Ray Anderson)
Subject: Re: New reflector
Date: Wed, 24 May 1995 12:47:33 EDT

> From: miker@cc.com (Mike Robinson)
> To: Multiple recipients of list <qrp-1@lehigh.edu>
> Subject: New reflector
> X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas

> X-Comment: Low Power Amateur Radio Discussion
> Date: Wed, 24 May 1995 12:01:13 EDT
> Content-Length: 31
>
>
> Wow! This reflector is fast.
>

Almost as good as moon-bounce!

Ray WB6TPU

From qrp-1@lehigh.edu Wed May 24 11:27:09 1995
Message-Id: <"24-May-95 7:24:53 EDT".*.Paul_Adler.NER-OSM@Xerox.com>
From: Paul_Adler.NER-OSM@xerox.com
Subject: NorCal 40A or OHR Explorer
Date: Wed, 24 May 1995 07:27:09 EDT

My birthday is coming up and my wife wants to buy me a QRP kit. Being new to QRP, I need some advice. She said she would like to spend about \$100 to \$150. Should I tell her to buy the NorCal 40A (from Wilderness Radio) or OHR Explorer or something else?

Thanks KW1L
Paul_Adler.ner-osm@xerox.com

From qrp-1@lehigh.edu Wed May 24 16:20:16 1995
Message-Id: <950524121813_10560785@aol.com>
From: CQC@aol.com
Subject: O.H. Classic filter
Date: Wed, 24 May 1995 12:20:16 EDT

Has anyone made any mods to the Oak Hills Classic audio filter making it adjustable? I do not want 400 Hz. all of the time.

Please respond direct to:
Roger WB0JNR
aq328@freenet.hsc.colorado.edu

Tnx.

From qrp-1@lehigh.edu Wed May 24 12:56:34 1995
Message-Id: <9505241255.AA12145@ig1.att.att.com>
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)
Subject: Pixie cont.
Date: Wed, 24 May 1995 08:56:34 EDT

Jim, N00CT suggested that the Pixie 2 could be run on 12v instead of 9v.

Here are the results:

	9v	12v
DC Vol.	8.8 v	12.5 v
RCV I	9 ma	15 ma
Transmit I	85 ma	133 ma
Pwr Out	300 mw	600 mw

The 2N2222 output transistor gets hot when keying at 12V. The power limit may be exceeded at .5 watts.

The rcvr seems to be about the same with both voltages.

72/73 Jim F. W1FMR

QRP-NE mvjfm@mvubr.att.com

From qrp-1@lehigh.edu Wed May 24 18:03:00 1995
Message-Id: <950524134151_10923119@aol.com>
From: JCoote@aol.com
Subject: Re: Pixie cont.
Date: Wed, 24 May 1995 14:03:00 EDT

Suggestions for that hot final....

Use a metal case 2N2222A and heat sink the case. If you don't have a heat sink, you can make one. Bend a 3/8" X 3/4" (approximate) aluminum strip around something with the same diameter as the 2N2222A case. (Screwdriver shaft or bolt?) The finished product should fit tightly over the transistor case. The remainder of the aluminum strip sticks out to one side of the

case. Your heatsink should have a good fit over the case (plenty of metal-metal contact) so the most heat will be pulled out of the case.

72, Jay
WB6AAM

From qrp-1@lehigh.edu Wed May 24 20:25:31 1995
Message-Id: <9505242022.AA03323@rain.meaddata.com>
From: teda@meaddata.com (Ted Albert)
Subject: Re: Pixie cont.
Date: Wed, 24 May 1995 16:25:31 EDT

I used plastic case 2N3904s in my Pixie circuit and the OHR WM-1 shows just under 300mw using 9 volts. N9DD in Indiana and I have been trying nightly at 10PM EDT to make a pixie to pixie contact. Cincinnati to South Bend is the distance involved. No luck yet, but we are still trying.

72 de Ted, KF8EE

From qrp-1@lehigh.edu Wed May 24 21:29:14 1995
Message-Id: <9505242125.AA03476@rain.meaddata.com>
From: teda@meaddata.com (Ted Albert)
Subject: Re: Pixie cont.
Date: Wed, 24 May 1995 17:29:14 EDT

>> Ted,
>
> How about giving the rest of your freqs and times, if you want,
> and we'll try to hear you.
>
> dit dit
> --
> Chuck Adams K5FO CP-60 adams@sgi.com
>

Sure... 3.579 nightly at 10PM EDT for 10 minutes. I alternate between calling N9DD and general CQ's. I usually hear several traffic nets, W1AW and the evening talk show from 50,000 watt WLW. The transmitter site is about 10 miles from my QTH. For the

minimal part count involved, this little circuit is fun.

72 de Ted, KF8EE

From qrp-1@lehigh.edu Wed May 24 14:47:13 1995
Message-Id: <1995May24.103834-0400@[130.113.234.7]>
From: Glen Leinweber <leinwebe@mcmill.CIS.McMaster.CA>
Subject: Re: Q R P WEEKEND, JUNE 2 - JUNE 4
Date: Wed, 24 May 1995 10:47:13 EDT

Hello all,

Judging by the tall-tales and fond memories popping up here recently, I'd say many of us are showing our age. Peter Calcandy, Chuck Adams, and many others are putting their experience and ham talents to good use in promoting the CW and amateur radio art. Bless them all.

Encourage, and promote our hobby, or we'll end up telling our tall-tales to each other. Lets give Peter's boys a good pile-up.
Glen Leinweber VE3DNL leinwebe@mcmill.mcmaster.ca

In <95052323122024@sescva.esc.edu>, PETER CALCANDY wrote:
>Just a reminder... The Long Island Mobile Amateur Radio Club's Jr. Ops.
>will be up in Haines Falls New York on their bi-annual camping weekend.
>The Jr. Ops will be operating N2LSK from their campsite in the Catskill
>Mtns. Operation will be on 7.040, 14.060 and 3.560 CW and 7.225 SSB.
>For a QSL, send an sase to Mr. Jix, Rob Todaro, N2JIX, 2218 East 73rd St,
>Brooklyn, NY 11234.
>For many of the Jr. Ops, this camping weekend is their first experience
>operating on the low bands and running QRP. If you have a few minutes,
>why not look for the young nippers and give them a thrill. Mention the
>qrp-1 group and pick up a gold star! They plan on being on the air
>Friday evening (EST), all day Saturday and Sunday morning.
>Any questions, please contact me here at Pcalcand@sescva.esc.edu
>Thanks
>Peter N2KPY
>pcalcand@sescva.esc.edu

From qrp-1@lehigh.edu Wed May 24 23:00:21 1995
Message-Id: <199505242259.RAA10931@chuck.dallas.sgi.com>
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: QRP Calling Freqs

Date: Wed, 24 May 1995 19:00:21 EDT

Here are the calling frequencies that I have in my database. These are recommended by QRP ARCI and I've added the G-QRP calling frequencies that I remember. Additions or corrections please send to me and I repost one more time in a week and then put them in the FAQ.

	CW	NOVICE	SSB
160M	1.810		
80M	3.560		3.985
40M	7.040	7.110	7.285
40M	7.030 (G-QRP)		
30M	10.106		
30M	10.116 (G-QRP)		
20M	14.060		14.285
15M	21.060	21.385	21.110
12M	24.900		24.985
10M	28.060	28.885	28.110
6M	50.360		50.385

FYI

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 15:39:49 1995

Message-Id: <1995May24.074809.9870@wb3ffv.ampr.org>

From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)

Subject: Re: QRP via Russian HF satellite

Date: Wed, 24 May 1995 11:39:49 EDT

Thanks for posting the note on the Russian satellites. There are two of them on 10M; in addition to RS-12, which has a 15M uplink, there is RS-10 with a 2M uplink. RS-12 comes down with the beacon at 29.408, and the 40 KHz passband starting at 29.410, while RS-10 has the CW beacon at 29.358 (I think) with passband above it. I have tried "tracking" them in manual mode a couple times just for the fun of it, when I was in situations where I could leave a 10M receiver turned on for hours at a time, but using satellite tracking software is easier and quicker :-)

I use TRAKSAT, which is also suitable. It comes as shareware and the price is reasonable--in the \$30 range, I believe. As for KEPS (and TRAKSAT takes both formats), they are in fact available on e-mail as

well as packet. The ARRL has a mailing list on netcom.com, and one of the things they put out is a regular broadcast of KEPS, for a long string of satellites. I'm checking on the name of the list, and will post it when I come across it.

By the way, I don't know about the beacon on RS-10, but the one on RS-12 is a nominal one watt output. The orbit of RS-12 is such that on rare occasions, depending on whether it passes directly overhead, it comes as close as approx 600 miles but is usually much more than that.

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Wed May 24 17:25:24 1995
Message-Id: <199505241723.AA15333@access5.digex.net>
From: sgreene@access.digex.net (Stephan Greene)
Subject: Re: QRP via Russian HF satellite
Date: Wed, 24 May 1995 13:25:24 EDT

>Thanks for posting the note on the Russian satellites. There are two
>of them on 10M; in addition to RS-12, which has a 15M uplink, there is
>RS-10 with a 2M uplink. RS-12 comes down with the beacon at 29.408,
>and the 40 KHz passband starting at 29.410, while RS-10 has the CW
>beacon at 29.358 (I think) with passband above it.

A third "Mode A" (2m up, 10M down) satellite, RS-15, was launched last December. It is smaller than the others (and it is a free-flyer, not a piggyback payload), and therefore is reported to have a weaker signal than the other RS birds. QRP with verticals and dipoles is very feasible with RS-10 and RS-12 (I've done it), but I suspect high-gain yagis or quads are necessary for RS-15.

>I use TRAKSAT, which is also suitable. It comes as shareware and the
>price is reasonable--in the \$30 range, I believe. As for KEPS (and
>TRAKSAT takes both formats), they are in fact available on e-mail as
>well as packet.

AMSAT offers a number of shareware and commercial tracking software. Check <http://www.amsat.org> for more info. The amsat mailing lists (and email redirector) is amsat-bb@amsat.org. Subscribe and unsubscribe by sending email to listmanager@amsat.org (or possibly listmaint@amsat.org)

- I'm doing this from memory!) The web site includes full info on the amsat-bb, keps, and sarex mailing lists. The list is human-maintained, so subscribes and unsubscribes may take a few days.

>By the way, I don't know about the beacon on RS-10, but the one on >RS-12 is a nominal one watt output.

RS-10 and RS-12 are almost identical, so I expect they have similar beacon performance.

Other "Qrp" capable satellites:

A0-27: 2M/70cm FM repeater, usually on weekends. *Very* sensitive receiver (HT's *have* made it in!), but subject to the same FM capture and overload effects that troubled A0-21. Downlink is 1/2 or 5W; usually 1/2 W, preamps and/or moderate gain (6 el yagi hand held) recommended.

A0-13: 70cm/2M CW/SSB. Big gain antennas needed, but you can work this on low power (I usually use 10-25W up on SSB, and have run 5W CW satellite station as part of our club's QRP/Battery Field Day station for past 3 years). A0-13 is expected to reenter and burn up sometime in '96, but the Phase 3D satellite (which should have 10dB or so better performance, I think) is also due for launch in '96 and will permit some interesting VHF/UHF/S-band QRP satellite opportunities!

F0-20: 2M/70cm CW/SSB. Weak downlink, but should be doable for a QRP station with moderate gain antennas. I plan to try it this year as part of our QRP/battery FD effort.

73 & 72

Steve Greene KA1LM

sgreene@access.digex.net / ka1lm@amsat.org

From qrp-1@lehigh.edu Wed May 24 18:03:17 1995
Message-Id: <9504248013.AA801347733@smtpgw.windata.com>
From: Harry_Chase@smtpgw.windata.com (Harry Chase)
Subject: Re: QRP via Russian HF satellite
Date: Wed, 24 May 1995 14:03:17 EDT

The satellite keps are available on the W1AW bulletin service at:

listserv@netcom.com

Put subscribe wlaw-list in the body of the message.

note---- this is not an email reflector; when you subscribe, you will get bulletins pertaining to Amateur radio, including the keps, from ARRL.

Harry
WA1VVH

From qrp-1@lehigh.edu Wed May 24 19:47:12 1995
Message-Id: <199505241948.0AA07090@silver.niia.net>
From: ajones@niia.net (Allen Jones)
Subject: RIT for NN1G Mk's
Date: Wed, 24 May 1995 15:47:12 EDT

A month or so ago I asked for info on the RIT circuit which Dan's Small Parts sold as an option for his NN1G Mk II kits. I was able to get a schematic and parts list from Mike Bryce, WB8VGE. It was part of an info pack that Mike was making available in exchange for three 32 cent stamps as I recall.

One of the responders to my original post suggested that I check with FAR circuits for the PC board as they believed that was the source Dan used. FAR does have the board. It isn't listed in their catalog. The price is \$4 plus \$1.50 postage. I simply asked for the RIT board sold as an option by Dan's for the NN1G transceiver kit.

This circuit works with all of the NN1G Mk versions. If you have a SW-30/40 or NE4040 you need the RIT kit sold by Dave Benson, NN1G.

The info kit available from Mike has several sheets of mods for the original version of the NN1G that was published in the Quarterly. If you don't need the mods and would like only the RIT info, send me a business size SASE and I'll get it out to you.

72/73

Allen Jones, K9DZE
109 Willow Ct.
Michigan City, IN 46360-5760

From qrp-1@lehigh.edu Wed May 24 21:12:30 1995
Message-Id: <Pine.3.89.9505241424.A6407-01000000@netcom22>
From: Alan Kaul <kaul@netcom.com>
Subject: Re: RIT for NN1G Mk's
Date: Wed, 24 May 1995 17:12:30 EDT

When I ordered my SW-30 from NN1G directly, he was also selling the RIT kit (board included) for \$5 postpaid. Sounds like a better deal than the FAR board. NN1G could tell you whether or not the RIT for the SW-30 is the same as for the Mark II, and if it is you'd \$ave a bit. 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From qrp-1@lehigh.edu Wed May 24 22:21:32 1995
Message-Id: <199505242222.RAA07567@silver.niia.net>
From: ajones@niia.net (Allen Jones)
Subject: Re: RIT for NN1G Mk's
Date: Wed, 24 May 1995 18:21:32 EDT

>When I ordered my SW-30 from NN1G directly, he was also selling the RIT
>kit (board included) for \$5 postpaid. Sounds like a better deal than the
>FAR board. NN1G could tell you whether or not the RIT for the SW-30 is
>the same as for the Mark II, and if it is you'd \$ave a bit. 73/72 de alan
>

Hello Alan . . . I have the RIT kit for the SW-30. It is designed to be used with a circuit like the SW's that is tuned with a pot and a varactor. I suppose that some type of a kludge could be made to use it with the Mk's. The Mk's are tuned with a variable cap and the circuit used by Dan hooks directly to the rotor connection of the variable. BTW, I think the SW RIT kit is now \$7 with postage if ordered by itself.

72/73 Allen, K9DZE

From qrp-1@lehigh.edu Wed May 24 23:34:08 1995
Message-Id: <950524193233_11239932@aol.com>
From: Bensondj@aol.com
Subject: Small Wonder Labs Phone#
Date: Wed, 24 May 1995 19:34:08 EDT

Gang-

I just heard from a Small Wonder Day Care center (- I like them already ;-) located elsewhere in Connecticut. It turns out they've been getting *many* calls for me, including a few from overseas! They were very happy to hear from me, and as a consequence, S.W.L. will appear in Directory Assistance listings shortly to correct this confusion. If you need to reach me in the interim, you can try my home number (before 9:30PM Eastern, please):

(203-667-3536)

Thanks & 73,
Dave Benson, NN1G
Small Wonder Labs (quality care for ages 2 years & up :-)

From qrp-1@lehigh.edu Wed May 24 15:19:58 1995
Message-Id: <9505241511.AA04376@cc.com>
From: miker@cc.com (Mike Robinson)
Subject: Varactors in Parallel
Date: Wed, 24 May 1995 11:19:58 EDT

Pardon my ignorance if it shows.

The Norcal40 uses the MVAM108 Varactor diode for tuning.
By varying the voltage to the diode the capacitance changes.

The Norcal40 has about 35KHz tuning range as packaged.

If one were to design a rig with 2 MVAM108's in parallel,
could a wider tuning range be achieved?

Perpetually curious...

```
=====
7.3 de Michael aa0ub          | QRP:
miker@cc.com                 Norcal #857 | "This thing's a radio?"
=====
```

From qrp-1@lehigh.edu Wed May 24 15:43:21 1995
Message-Id: <199505241541.KAA09636@chuck.dallas.sgi.com>
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: Re: Varactors in Parallel
Date: Wed, 24 May 1995 11:43:21 EDT

Mike,

Let me take a real quick stab at this.

$f(\text{resonant}) = 1/(2\pi\sqrt{LC})$

say one MVAM108 with voltage variations goes from C(min) to C(max), then two in parallel will do 2*C(min) to 2*C(max). Plugging these into the above equation we will get some f(min) and f(max) respectively for C and 2*C and we can factor out a sqrt(2), so if my math is right and I've publiclly messed up before, the tuning range will be the same. You'd have to change L to L/2 to get back into the original tuning range for the two MVAM108s in parallel.

Sorry, there ain't no free lunch.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From qrp-1@lehigh.edu Wed May 24 16:12:33 1995
Message-Id: <9505241611.AA20506@garnet.inel.gov>
From: LVE1@inel.gov
Subject: Re: Varactors in Parallel
Date: Wed, 24 May 1995 12:12:33 EDT

>
>The Norcal40 uses the MVAM108 Varactor diode for tuning.
>By varying the voltage to the diode the capacitance
>changes.
>
>The Norcal40 has about 35KHz tuning range as packaged.
>
>If one were to design a rig with 2 MVAM108's in parallel,
>could a wider tuning range be achieved?
>

The tuning range of the NorCal 40 is determined by a cap in series with the Varactor diode as well as by the capacitance range of the diode itself. If you want to change the tuning range, change this cap. There is info on this in the 40A manual; not sure about the 40 manual.

Some designs do use varactor diodes in parallel -- as I recall this has something to do with stability or some such rather than tuning range (memory getting foggy...)

Also, see note from Chuck Adams.

72, Larry W1HUE/7
LVE1@inel.gov

From qrp-1@lehigh.edu Wed May 24 22:13:39 1995
Message-Id: <9505242206.AA01089@puma.scintl.com>
From: Mike White <mpw@scintl.com>
Subject: Yer a bunch of cheapskates!
Date: Wed, 24 May 1995 18:13:39 EDT

Well, I think I've found a great group...

From my antenna inquiry, it seems that most people are using Hamsticks or Wire antennas for QRP use.

This sounds good! I was considering the outbacker, but I think I'm going to give a Hamstick a whirl (heck, a \$20 investment doesn't sound that bad at all.) I'm sure my wife is happy with that decision!

As for dipoles/long wire etc - the real estate I am going the majority of the time to be using isn't quite conducive to big antennas; I'm going to be operating at my In Laws. I could just see my mother-in-law's reaction with a really long wire in their front lawn.

Anyhow, thanks for your help!

-Mike

--

Mike White Chen Systems Corporation
N9UXC voice:715/833-7860
 fax :715/833-7096